

# APPENDIX A

LOCUS	NM_010684	2265 bp	mRNA	linear	ROD 11-MAY-2008
DEFINITION	Mus musculus lysosomal-associated membrane protein 1 (Lamp1), mRNA.				
ACCESSION	NM_010684				
VERSION	NM_010684.2 GI:113195677				
KEYWORDS	.				
SOURCE	Mus musculus (house mouse)				
ORGANISM	Mus musculus Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi; Muroidea; Muridae; Murinae; Mus.				
REFERENCE	1 (bases 1 to 2265)				
AUTHORS	Chamberlain,C.E., Jeong,J., Guo,C., Allen,B.L. and McMahon,A.P.				
TITLE	Notochord-derived Shh concentrates in close association with the apically positioned basal body in neural target cells and forms a dynamic gradient during neural patterning				
JOURNAL	Development 135 (6), 1097-1106 (2008)				
PUBMED	<u>18272593</u>				
REFERENCE	2 (bases 1 to 2265)				
AUTHORS	Zou,Y., Wang,H., Shapiro,J.L., Okamoto,C.T., Brookes,S.J., Lyngstadaas,S.P., Snead,M.L. and Paine,M.L.				
TITLE	Determination of protein regions responsible for interactions of amelogenin with CD63 and LAMP1				
JOURNAL	Biochem. J. 408 (3), 347-354 (2007)				
PUBMED	<u>17708745</u>				
REMARK	GeneRIF: LAMP1 binds amelogenin through residues 226-251				
REFERENCE	3 (bases 1 to 2265)				
AUTHORS	Binker,M.G., Cosen-Binker,L.I., Terebiznik,M.R., Mallo,G.V., McCaw,S.E., Eskelinen,E.L., Willenborg,M., Brumell,J.H., Saftig,P., Grinstein,S. and Gray-Owen,S.D.				
TITLE	Arrested maturation of Neisseria-containing phagosomes in the absence of the lysosome-associated membrane proteins, LAMP-1 and LAMP-2				
JOURNAL	Cell. Microbiol. 9 (9), 2153-2166 (2007)				
PUBMED	<u>17506821</u>				
REMARK	GeneRIF: Data show that cells lacking either LAMP-1 or LAMP-2 alone formed phagosomes that gradually acquired microbicidal activity and curtailed bacterial growth, but LAMP-1 and LAMP-2 double-deficient cells failed to kill engulfed Neisseria gonorrhoeae.				
REFERENCE	4 (bases 1 to 2265)				
AUTHORS	Abba,M.C., Fabris,V.T., Hu,Y., Kittrell,F.S., Cai,W.W., Donehower,L.A., Sahin,A., Medina,D. and Aldaz,C.M.				
TITLE	Identification of novel amplification gene targets in mouse and human breast cancer at a syntenic cluster mapping to mouse ch8A1 and human ch13q34				
JOURNAL	Cancer Res. 67 (9), 4104-4112 (2007)				
PUBMED	<u>17483321</u>				

REFERENCE 5 (bases 1 to 2265)  
AUTHORS Huynh,K.K., Eskelinen,E.L., Scott,C.C., Malevanets,A., Saftig,P.  
and Grinstein,S.  
TITLE LAMP proteins are required for fusion of lysosomes with  
phagosomes  
JOURNAL EMBO J. 26 (2), 313-324 (2007)  
PUBMED 17245426  
REMARK GeneRIF: LAMP proteins are required for fusion of lysosomes with  
phagosomes.

REFERENCE 6 (bases 1 to 2265)  
AUTHORS Dardik,A., Smith,R.M. and Schultz,R.M.  
TITLE Colocalization of transforming growth factor-alpha and a  
functional epidermal growth factor receptor (EGFR) to the inner cell mass  
and preferential localization of the EGFR on the basolateral surface  
of the trophectoderm in the mouse blastocyst  
JOURNAL Dev. Biol. 154 (2), 396-409 (1992)  
PUBMED 1426645

REFERENCE 7 (bases 1 to 2265)  
AUTHORS Granger,B.L., Green,S.A., Gabel,C.A., Howe,C.L., Mellman,I. and  
Helenius,A.  
TITLE Characterization and cloning of lgp110, a lysosomal membrane  
glycoprotein from mouse and rat cells  
JOURNAL J. Biol. Chem. 265 (20), 12036-12043 (1990)  
PUBMED 2142158

REFERENCE 8 (bases 1 to 2265)  
AUTHORS Arterburn,L.M., Earles,B.J. and August,J.T.  
TITLE The disulfide structure of mouse lysosome-associated membrane  
protein 1  
JOURNAL J. Biol. Chem. 265 (13), 7419-7423 (1990)  
PUBMED 2332434

REFERENCE 9 (bases 1 to 2265)  
AUTHORS Cha,Y., Holland,S.M. and August,J.T.  
TITLE The cDNA sequence of mouse LAMP-2. Evidence for two classes of  
lysosomal membrane glycoproteins  
JOURNAL J. Biol. Chem. 265 (9), 5008-5013 (1990)  
PUBMED 2318880

REFERENCE 10 (bases 1 to 2265)  
AUTHORS Heffernan,M., Yousefi,S. and Dennis,J.W.  
TITLE Molecular characterization of P2B/LAMP-1, a major protein target  
of a metastasis-associated oligosaccharide structure  
JOURNAL Cancer Res. 49 (21), 6077-6084 (1989)  
PUBMED 2676155

COMMENT VALIDATED REFSEQ: This record has undergone validation or  
preliminary review. The reference sequence was derived from  
AA154440.1, BC049097.1, AK159376.1 and AI120997.1.  
On Aug 24, 2006 this sequence version replaced gi:7106338.

/translation="MAAPGARRPLLLLLLAGLAHGASALFEVKNNGTTCIMASFSASF  
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NGTCLLASMALQLNITYLKKNKTVTRAFNISPNDTSSGSCGINLVTLKVENKNRALE  
LQFGMNASSSLFFLQGVRLNMTLPDALVPTFSISNHSLKALQATVGNSYKCNTEEHIF  
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